



# WIND SENSORS "PRO-WEA"

Wind direction and wind speed

## The universal-genius...

with improved protection against electrostatic discharge!  
 Thus these high-tech sensors are predestinated for operation in lightning-prone regions.  
 The design is aerodynamically optimised, the housing and the measuring elements are made of seawater resistant aluminium.  
 The integrated, controlled heating and the optionally available cable with high UV-resistance are further advantages. PRO-WEA sensors are robust and best suited for year-round applications in most climatic zones.

- ▶ improved protection against electrostatic discharge
- ▶ especially robust due to reinforced axis
- ▶ high measuring range of 60 m/s
- ▶ low starting values of < 0.5 m/s
- ▶ very high resolution of measuring values

wind power plants • lightning-prone regions • all kinds of industrial applications • crane systems • open-pit mining



Standard Line	Wind Sensors PRO-WEA	
<b>Id-No.</b>	<b>(14523) Wind direction</b> <b>00.14523.130 040</b>	<b>(14524) Wind speed</b> <b>00.14524.100 040</b>
Measuring elements:	wind vane • aluminium • special surface	3-armed cup • aluminium • special surface
Measuring range:	0...360°	0.5...60 m/s
Accuracy:	± 2°	± 0.3 m/s ≤ 10 m/s • ± 0.5 m/s...60 m/s
Resolution/ Starting value:	< 1° • < 0.5 m/s	< 0.1 m/s • < 0.5 m/s
Output:	4...20 mA = 0...360° • 4 Hz update rate	4...20 mA = 0...60 m/s • 4 Hz update rate
Weight:	0.4 kg	0.35 kg
Measuring principle:	Hall Sensor Array, non-contact	
Range of application:	temperatures -40...+70 °C • heated • wind speed max. gusts 100 m/s • humidity 0...100 % r.h.	
Supply voltage:	24 V <sub>DC</sub> (20...28 V <sub>DC</sub> ) • 18 W heating • max. 800 mA • The heating within the sensor head prevents blocking of the moving parts under most climatological conditions.	
Housing:	seawater-resistant aluminium • IP 65 in upright position • M12 cable-plug connection • stainless steel nut and lock washer	
Included in delivery:	1 sensor • 15 m cable • with 4 pin M12 plug connector	